Assessment Plan Summary – B.S. in Geospatial Science

Student Learning Objectives

1. Students will acquire knowledge of the foundations and theories of digital cartography, geographic information systems (GIS), and remote sensing.
   - **Direct Assessment Measures: Passing grades in GEO 360, GEO 363, GEO 551, GEO 562, and GEO 568**

2. Students will have a general understanding of the various theoretical and methodological approaches in both physical and human geography and be able to develop research questions and critically analyze both qualitative and quantitative data to answer those questions.
   - **Direct Assessment Measures: Passing grades in PLN 367, a required statistics course, and the field experience requirement**
   - **Indirect Assessment Measures: Feedback from supervisors for students completing internships, directed research, and similar experiences.**

3. Students will read, interpret, and generate maps and other geographic representations as well as extract, analyze, and present information from a spatial perspective.
   - **Direct Assessment Measures: Passing grades in GEO 561, GEO 562, GEO 566, GEO 568, and GEO 572**

4. Students will acquire skills of applying spatial data analysis, feature extraction, and thematic mapping techniques to analyze biophysical or socioeconomic geographic information.
   - **Direct Assessment Measures: Passing grades in GEO 551, GEO 561, GEO 566, GEO 669, and GEO 572**

The overall program will be further assessed through these indirect assessment measures:

- Track employment in the geospatial science related fields.
- Tracking number of internships secured by students.
- Track graduate school matriculation to programs in geospatial science related fields.